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NOTE**

**NEW DEVELOPMENTS
AT FANG-SHAN PETROLEUM REFINERY
CHINA**

25X1A



TOP SECRET

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NEW DEVELOPMENTS AT FANG-SHAN PETROLEUM REFINERY, CHINA

25X1A

1. Construction at Fang-shan Petroleum Refinery [redacted] 25X1A
[redacted] 30 nautical miles (nm) southwest of Peking (Figure 1), is continuing rapidly. This refinery, one of the five largest in China, is one of the biggest industrial projects undertaken by the Chinese in the last four years.

25X1D

25X1D

2. The most recent coverage [redacted] of the refinery 25X1D
(Figure 2) shows that many new secondary chemical processing units and areas have been started in the last six months. These include a petrochemical plant and a possible lube oil refinery approximately 400 meters [redacted] south and 1.2 nm east of the main processing area, respectively. Several secondary processing units which were previously under construction were complete between [redacted]

25X1D

3. This report contains a description of new or continued activity since [redacted]. It supplements the complete description of the refinery and associated installations published in a previous report.* Small scale precluded a complete analysis of the new processing units and areas. Subareas are keyed to Figure 2.

NEW OR CONTINUED ACTIVITY

Main Processing Area

4. The secondary processing units in the north part of the main processing area (subarea A) appeared complete and operational. These units appear to be used for intermediate product

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*NPIC. TCS-20297/70, Fang-shan Petroleum Refinery, China, Jul 70
(TOP SECRET [redacted])



FIGURE 1. LOCATION MAP

25X1A

upgrading and light ends processing. No furnaces were discernible.

preparation for additional construction was observed in the northern part of subarea A. Four medium vertical storage tanks were also under construction at the east edge of subarea A.

5. At the south end of the main processing area (subarea B) one processing unit which consists of a DeFlores furnace, a large possible furnace building, and nine columns has been completed adjacent to the multistage crude distillation unit. Three other processing units were in the midstage of construction. The function of these four processing units could not be determined.

6. A second large forced-draft cooling tower long has been constructed in the main processing area. A tank farm for intermediate and final products storage has been greatly expanded. Seventeen medium vertical storage tanks and the bases for ten other tanks have been built.

New Petrochemical Plant

7. A new petrochemical plant (subarea C) was under construction 400 meters south of the main processing area.

raw material in the production of synthetic rubber. Two other probable chemical processing areas and nine major buildings were under construction in the petrochemical plant. Eighteen large horizontal storage tanks have thus far been constructed for raw material and product storage.

Main Housing and Support Area

8. Additional water storage tanks and reservoirs (subarea D) were under construction immediately south of the water treatment plant. Excavations for two rectangular reservoirs, two large tanks, and six medium tanks were observed. A new pipeline was under construction from the water storage area to wells and other water sources approximately 3 nm to the southeast. Three other rectangular water reservoirs, which were under construction in have been completed in this same area.

Rail Transloading Yard 1

9. Twenty-six medium vertical storage tanks and six probably spherical storage tanks (subarea E) have been constructed in the large tank farm adjacent to rail transloading yard 1. Forty-three new tank bases were also observed. A second long transloading building has been built within the rail yard itself.

Secondary Processing Area

10. The secondary processing area 1.2 nm east of the main processing area was being enlarged. A possible lube oil refinery (subarea F) is in the north part of the secondary processing area. Two large and five small support buildings, two pipe furnaces, and at least three groups of columns in the lube oil refinery area have been completed since . The previously reported but unidentified secondary chemical processing unit which was constructed prior to may be a part of the new possible lube oil refinery.

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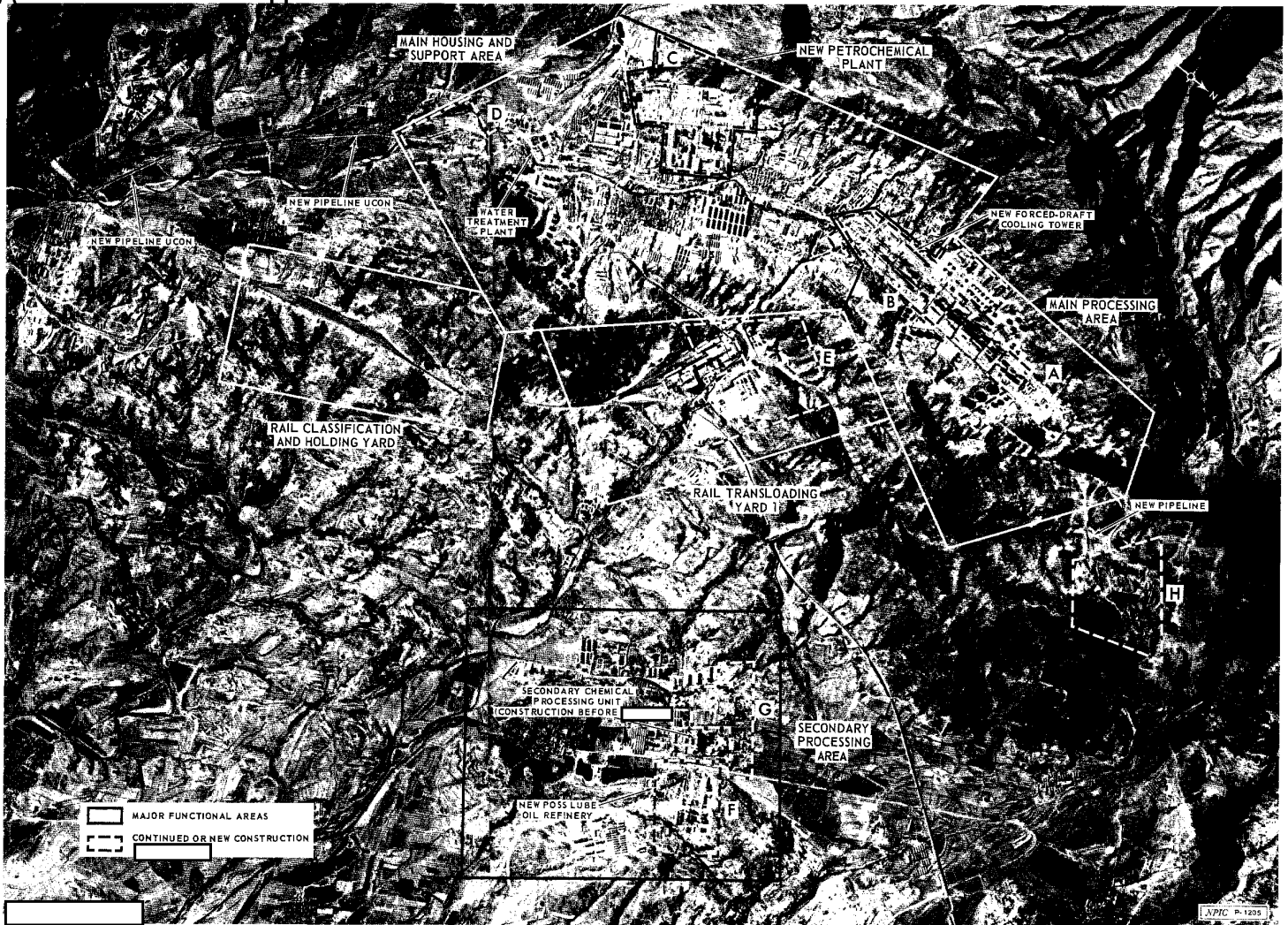


FIGURE 2. FANG-SHAN PETROLEUM REFINERY, CHINA

- 3 -

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11. Two new support buildings, a chemical processing area under construction, and footings for at least five major buildings (subarea G) were on the west and south edges of the possible lube oil refinery. The function of this new construction or its relationship to the new possible lube oil refinery could not be determined.

Other Activity

12. Workers housing and support areas were being constructed or expanded throughout the refinery complex. At least 80 new housing or support buildings were observed. In addition, a pipeline from the refinery to a new housing and support area (subarea H) was under construction approximately 625 meters (2,000 feet) north of the main processing area in a new, probably related, area of the refinery complex.

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